



TORQ Analysis of Paper Goods Machine Setters, Operators, and Tenders to Machine Feeders and Offbearers




INPUT SECTION:

Transfer	Title	O*NET	Filters		
From Title:	Paper Goods Machine Setters, Operators, and Tenders	51-9196.00	Abilities:	Importance Level: 50	Weight: 1
To Title:	Machine Feeders and Offbearers	53-7063.00	Skills:	Importance Level: 69	Weight: 1
Labor Market Area:	Maine Statewide		Knowledge:	Importance Level: 69	Weight: 1

OUTPUT SECTION:

Grand TORQ:

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Ability TORQ				Skills TORQ				Knowledge TORQ			
Level		90		Level		90		Level		83	
Gaps To Narrow if Possible				Upgrade These Skills				Knowledge to Add			
Ability	Level	Gap	Impt	Skill	Level	Gap	Impt	Knowledge	Level	Gap	Impt
Rate Control	44	12	56	No Skills Upgrade Required!				No Knowledge Upgrades Required!			
Static Strength	46	12	50								
Multilimb Coordination	46	7	59								
Reaction Time	48	7	59								
Control Precision	53	5	65								
Manual Dexterity	46	5	59								
Trunk Strength	44	5	53								
Finger Dexterity	46	4	56								
Flexibility of Closure	41	4	50								
Perceptual Speed	44	3	53								
Arm-Hand Steadiness	44	2	65								
Category Flexibility	39	2	50								

LEVEL and IMPT (IMPORTANCE) refer to the Target Machine Feeders and Offbearers. GAP refers to level difference between Paper Goods Machine Setters, Operators, and Tenders and Machine Feeders and Offbearers.

ASK ANALYSIS

Ability Level Comparison - Abilities with importance scores over 50



Description	Paper Goods Machine Setters, Operators, and Tenders	Machine Feeders and Offbearers	Importance
Arm-Hand Steadiness	42	44	65
Control Precision	48	53	65
Manual Dexterity	41	46	59
Multilimb Coordination	39	46	59
Reaction Time	41	48	59
Near Vision	48	46	59
Problem Sensitivity	39	39	56
Finger Dexterity	42	46	56
Rate Control	32	44	56
Oral Comprehension	44	42	53
Information Ordering	42	39	53
Perceptual Speed	41	44	53
Trunk Strength	39	44	53
Oral Expression	42	42	50
Deductive Reasoning	37	37	50
Inductive Reasoning	39	37	50
Category Flexibility	37	39	50
Flexibility of Closure	37	41	50
Selective Attention	44	44	50
Static Strength	34	46	50
Skill Level Comparison - Abilities with importance scores over 69			
Description	Paper Goods Machine Setters, Operators, and Tenders	Machine Feeders and Offbearers	Importance
Knowledge Level Comparison - Knowledge with importance scores over 69			
Description	Paper Goods Machine Setters, Operators, and Tenders	Machine Feeders and Offbearers	Importance

Experience & Education Comparison					
Related Work Experience Comparison			Required Education Level Comparison		
Description	Paper Goods Machine Setters, Operators, and Tenders	Machine Feeders and Offbearers	Description	Paper Goods Machine Setters, Operators, and Tenders	Machine Feeders and Offbearers
10+ years	0%	0%	Doctoral	0%	0%
8-10 years	3%	0%	Professional Degree	0%	0%
6-8 years	0%	0%	Post-Masters Cert	0%	0%
4-6 years	0%	0%	Master's Degree	0%	0%
2-4 years	0%	0%	Post-Bachelor Cert	0%	0%
1-2 years	41%	8%	Bachelors	0%	0%
6-12 months	1%	0%	AA or Equiv	0%	7%



3-6 months	5%	11%	Some College	0%	0%
1-3 months	16%	3%	Post-Secondary Certificate	0%	3%
0-1 month	3%	26%	High School Diploma or GED	74%	61%
None	27%	48%	No HSD or GED	24%	22%

Paper Goods Machine Setters, Operators, and Tenders

Machine Feeders and Offbearers

Most Common Educational/Training Requirement:

Moderate-term on-the-job training

Short-term on-the-job training

Job Zone Comparison

2 - Job Zone Two: Some Preparation Needed

1 - Job Zone One: Little or No Preparation Needed

Some previous work-related skill, knowledge, or experience may be helpful in these occupations, but usually is not needed. For example, a teller might benefit from experience working directly with the public, but an inexperienced person could still learn to be a teller with little difficulty.

No previous work-related skill, knowledge, or experience is needed for these occupations. For example, a person can become a cashier even if he/she has never worked before.

These occupations usually require a high school diploma and may require some vocational training or job-related course work. In some cases, an associate's or bachelor's degree could be needed.

These occupations may require a high school diploma or GED certificate. Some may require a formal training course to obtain a license.

Employees in these occupations need anywhere from a few months to one year of working with experienced employees.

Employees in these occupations need anywhere from a few days to a few months of training. Usually, an experienced worker could show you how to do the job.

Tasks

Paper Goods Machine Setters, Operators, and Tenders

Machine Feeders and Offbearers

Core Tasks

Core Tasks

Generalized Work Activities:

Generalized Work Activities:

- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Getting Information - Observing, receiving, and otherwise obtaining information from all relevant sources.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Handling and Moving Objects - Using hands and arms in handling, installing, positioning, and moving materials, and manipulating things.

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- Performing General Physical Activities - Performing physical activities that require considerable use of your arms and legs and moving your whole body, such as climbing, lifting, balancing, walking, stooping, and handling of materials.
- Inspecting Equipment, Structures, or Material - Inspecting equipment, structures, or materials to identify the cause of errors or other problems or defects.
- Monitor Processes, Materials, or Surroundings - Monitoring and reviewing information from materials, events, or the environment, to detect or assess problems.
- Controlling Machines and Processes - Using either control mechanisms or direct physical activity to operate machines or processes (not including computers or vehicles).

Specific Tasks

Specific Tasks

Occupation Specific Tasks:



- Adjust guide assemblies, forming bars, and folding mechanisms according to specifications, using hand tools.
- Cut products to specified dimensions, using hand or power cutters.
- Disassemble machines to maintain, repair, or replace broken or worn parts, using hand or power tools.
- Examine completed work to detect defects and verify conformance to work orders, and adjust machinery as necessary to correct production problems.
- Fill glue and paraffin reservoirs, and position rollers to dispense glue onto paperboard.
- Install attachments to machines for gluing, folding, printing, or cutting.
- Lift tote boxes of finished cartons, and dump cartons into feed hoppers.
- Load automatic stapling mechanisms.
- Measure, space, and set saw blades, cutters, and perforators, according to product specifications.
- Monitor finished cartons as they drop from forming machines into rotating hoppers and then into gravity feed chutes, in order to prevent jamming.
- Observe operation of various machines to detect and correct machine malfunctions such as improper forming, glue flow, or pasteboard tension.
- Place rolls of paper or cardboard on machine feedtracks, and thread paper through gluing, coating, and slitting rollers.
- Remove finished cores, and stack or place them on conveyors for transfer to other work areas.
- Stamp products with information such as dates, using hand stamps or automatic stamping devices.
- Start machines and move controls to regulate tension on pressure rolls, to synchronize speed of machine components, and to adjust temperatures of glue or paraffin.

Detailed Tasks

Detailed Work Activities:

- adjust production equipment/machinery setup
- examine products or work to verify conformance to specifications
- install equipment or attachments on machinery or related structures
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- maintain consistent production quality
- maintain or repair industrial or related equipment/machinery
- monitor production machinery/equipment

Occupation Specific Tasks:

- Add chemicals, solutions, or ingredients to machines or equipment as required by the manufacturing process.
- Clean and maintain machinery, equipment, and work areas to ensure proper functioning and safe working conditions.
- Fasten, package, or stack materials and products, using hand tools and fastening equipment.
- Identify and mark materials, products, and samples, following instructions.
- Inspect materials and products for defects, and to ensure conformance to specifications.
- Load materials and products into machines and equipment, or onto conveyors, using hand tools and moving devices.
- Open and close gates of belt and pneumatic conveyors on machines that are fed directly from preceding machines.
- Push dual control buttons and move controls in order to start, stop, or adjust machinery and equipment.
- Record production and operational data, such as amount of materials processed.
- Remove materials and products from machines and equipment, and place them in boxes, trucks or conveyors, using hand tools and moving devices.
- Shovel or scoop materials into containers, machines, or equipment for processing, storage, or transport.
- Transfer materials and products to and from machinery and equipment, using industrial trucks or hand trucks.
- Weigh or measure materials or products to ensure conformance to specifications.

Detailed Tasks

Detailed Work Activities:

- attach or mark identification onto products or containers
- clean equipment or machinery
- clean rooms or work areas
- examine products or work to verify conformance to specifications
- load or unload material or workpiece into machinery
- load, unload, or stack containers, materials, or products
- maintain production or work records
- measure, weigh, or count products or materials
- move or fit heavy objects
- operate hoist, winch, or hydraulic boom
- perform safety inspections in manufacturing or industrial setting



- operation to detect problems
- move or fit heavy objects
- operate pulp or paper making equipment
- read specifications
- read work order, instructions, formulas, or processing charts
- set up production equipment or machinery
- understand technical operating, service or repair manuals
- use hand or power tools
- use precision measuring tools or equipment

- sort manufacturing materials or products
- use hand or power tools

Labor Market Comparison

Description	Paper Goods Machine Setters, Operators, and Tenders	Machine Feeders and Offbearers	Difference
Median Wage	\$ 38,230	\$ 26,820	\$(11,410)
10th Percentile Wage	\$ 25,850	\$ 19,120	\$(6,730)
25th Percentile Wage	N/A	N/A	N/A
75th Percentile Wage	\$ 45,200	\$ 29,840	\$(15,360)
90th Percentile Wage	\$ 51,680	\$ 35,200	\$(16,480)
Mean Wage	\$ 38,330	\$ 26,870	\$(11,460)
Total Employment - 2007	910	480	-430
Employment Base - 2006	951	485	-466
Projected Employment - 2016	700	378	-322
Projected Job Growth - 2006-2016	-26.4 %	-22.1 %	4.3 %
Projected Annual Openings - 2006-2016	23	9	-14

National Job Posting Trends

Trend for Paper Goods Machine Setters, Operators, and Tenders

Trend for
Machine
Feeders
and
Offbearers



Data from [Indeed](http://Indeed.com)

Recommended Programs

No program data for the occupation.

Maine Statewide Promotion Opportunities for Paper Goods Machine Setters, Operators, and Tenders

O*NET Code	Title	Grand TORQ	Job Zone	Employment	Median Wage	Difference	Growth	Annual Job Openings
51-9196.00	Paper Goods Machine Setters, Operators, and Tenders	100	2	910	\$38,230.00	\$0.00	-26%	23
51-9121.00	Coating, Painting, and Spraying Machine Setters, Operators, and Tenders	84	2	850	\$38,860.00	\$630.00	-26%	19
51-4011.00	Computer-Controlled Machine Tool Operators, Metal and Plastic	82	2	720	\$40,490.00	\$2,260.00	6%	12
43-5053.00	Postal Service Mail Sorters, Processors, and Processing Machine Operators	81	2	970	\$41,950.00	\$3,720.00	-12%	10
51-9011.00	Chemical Equipment Operators and Tenders	81	2	0	\$38,790.00	\$560.00	-2%	5
51-4041.00	Machinists	78	3	1,860	\$41,560.00	\$3,330.00	4%	35
51-4192.00	Lay-Out Workers, Metal and Plastic	77	2	180	\$43,870.00	\$5,640.00	-24%	3



53-6051.07	Transportation Vehicle, Equipment and Systems Inspectors, Except Aviation	77	3	60	\$42,890.00	\$4,660.00	5%	2
49-2094.00	Electrical and Electronics Repairers, Commercial and Industrial Equipment	76	3	440	\$49,450.00	\$11,220.00	-19%	15
51-8013.00	Power Plant Operators	75	3	480	\$50,240.00	\$12,010.00	10%	21
49-9012.00	Control and Valve Installers and Repairers, Except Mechanical Door	74	3	170	\$47,860.00	\$9,630.00	-9%	3
51-4111.00	Tool and Die Makers	74	3	160	\$51,670.00	\$13,440.00	-11%	2
49-9096.00	Riggers	73	3	250	\$39,140.00	\$910.00	-12%	2
51-1011.00	First-Line Supervisors/Managers of Production and Operating Workers	73	3	3,750	\$45,510.00	\$7,280.00	-4%	65
47-2011.00	Boilermakers	72	4	60	\$39,260.00	\$1,030.00	12%	3

Top Industries for Machine Feeders and Offbearers

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Printing and related support activities	323100	8.45%	12,487	8,904	-28.69%
Newspaper publishers	511110	6.58%	9,719	7,493	-22.90%
Converted paper product manufacturing	322200	6.30%	9,315	7,036	-24.47%
Other wood product manufacturing	321900	5.62%	8,311	7,048	-15.19%
Plastics product manufacturing	326100	4.99%	7,369	7,030	-4.60%
Sawmills and wood preservation	321100	4.82%	7,129	5,144	-27.84%
Veneer, plywood, and engineered wood product manufacturing	321200	4.54%	6,716	6,582	-2.00%
Animal slaughtering and processing	311600	3.07%	4,541	4,664	2.71%
Pharmaceutical and medicine manufacturing	325400	2.77%	4,088	4,637	13.42%
Bakeries and tortilla manufacturing	311800	2.52%	3,716	3,417	-8.07%
Coating, engraving, heat treating, and allied activities	332800	1.91%	2,829	2,087	-26.23%
Pulp, paper, and paperboard mills	322100	1.76%	2,595	1,620	-37.57%
Fruit and vegetable preserving and specialty food manufacturing	311400	1.62%	2,389	1,949	-18.40%
Household and institutional furniture manufacturing	337120	1.43%	2,112	1,447	-31.52%



Glass and glass product manufacturing	327200	0.98%	1,450	1,139	-21.48%
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Top Industries for Paper Goods Machine Setters, Operators, and Tenders

Industry	NAICS	% in Industry	Employment	Projected Employment	% Change
Converted paper product manufacturing	322200	60.48%	68,412	57,411	-16.08%
Pulp, paper, and paperboard mills	322100	21.93%	24,800	17,202	-30.64%
Printing and related support activities	323100	8.22%	9,293	7,363	-20.77%
Newspaper publishers	511110	1.36%	1,536	1,316	-14.33%
Plastics product manufacturing	326100	1.27%	1,439	1,525	6.00%
Wholesale electronic markets and agents and brokers	425100	0.67%	762	865	13.48%
Employment services	561300	0.55%	618	783	26.56%
Animal slaughtering and processing	311600	0.46%	521	595	14.13%
Advertising and related services	541800	0.40%	448	505	12.83%
Paper and paper product merchant wholesalers	424100	0.39%	440	470	6.83%
Other general purpose machinery manufacturing	333900	0.19%	219	198	-9.73%
Miscellaneous durable goods merchant wholesalers	423900	0.09%	100	114	14.81%
Warehousing and storage	493100	0.07%	76	101	33.58%
Other electrical equipment and component manufacturing	335900	0.06%	69	64	-7.34%
Fruit and vegetable preserving and specialty food manufacturing	311400	0.05%	61	55	-9.33%